Projected shifts in fish species dominance in Wisconsin lakes under climate change

Shapefile

Tags
"1837 Ceded Territory", "1842 Ceded Territory", lake, Wisconsin, "climate change", management, research, walleye

Summary
Lakes in the Ceded Territories are getting warmer which can alter the composition of the fish community. By understanding recent trends and anticipating future changes, resource managers and tribal members can protect resilient populations, adapt to new conditions, and effectively communicate realistic expectations. This tool helps visualize the probability that lakes will become bass and/or walleye dominated over the next century.

Description

Credits

Use limitations
Data is restricted to GLIFWC access only.

Extent
West -92.762800   East -86.937324
North 46.853087    South 42.488708

Scale Range
Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata

Topics and Keywords

Themes or categories of the resource environment, inlandWaters
Projected shifts in fish species dominance in Wisconsin lakes under climate change

Digital map

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Originator

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Completed

Dataset Languages: English (UNITED STATES)
Dataset Character Set: utf8 - 8 bit UCS Transfer Format

Status: completed
Spatial representation type: vector

Processing environment: Version 6.2 (Build 9200); Esri ArcGIS 10.2.0.3348

Credits:

Extents:
Temporal Period based on published data. Data was developed for contemporary (1989–2014) and future (2040–2064 and 2065–2089) conditions.

Geographic extent:
Extent used for searching

Extent type: Extent used for searching
West longitude: -92.762800
East longitude: -86.937324
North latitude: 46.853087
South latitude: 42.488708

Extent contains the resource: Yes

Temporal extent:
Beginning date: 2016-09-08 00:00:00
Ending date: 2016-09-08 00:00:00

Resource Maintenance:
Resource maintenance: not planned

Resource Constraints:
Constraints:
Limitations of use:
Data is restricted to GLIFWC access only.

Spatial Reference:
Reference system identifier:
Value: 4326
Codespace: EPSG
Version: 8.1.1

Spatial Data Properties:
Vector:

Geometric objects
Object type: composite
Object count: 2263

Fields
Field FID
Field description: Internal feature number.
Description source: Esri
Description of values: Sequential unique whole numbers that are automatically generated.

Field Shape
Field description: Feature geometry.
Description source: Esri
Description of values: Coordinates defining the features.

Field PKEY
Field description: Primary key in GLIFWC's PostgreSQL database.
**FIELD WBIC**

**FIELD DESCRIPTION**
Waterbody Identification Code

**DESCRIPTION SOURCE**
Wisconsin DNR

**FIELD YEAR**

**FIELD CUR_CATEGO**

**FIELD DESCRIPTION**
Current lake category

**DESCRIPTION SOURCE**

**FIELD CUR_WAE_PR**

**FIELD DESCRIPTION**
Current walleye probability.

**DESCRIPTION SOURCE**

**FIELD CUR_BASS_P**

**FIELD DESCRIPTION**
Current bass probability.

**DESCRIPTION SOURCE**

**FIELD CAT_2040_2**

**FIELD DESCRIPTION**
Lake category under 2040-2064 conditions.

Field WAE_2040_2

FIELD DESCRIPTION
Walleye dominated probability for 2040-2064 future conditions.


Field BASS_2040_

FIELD DESCRIPTION
Bass dominated probability for 2040-2064 future conditions.


Field CAT_2065_2

FIELD DESCRIPTION
Lake category under 2065-2089 conditions.


Field WAE_2065_2

FIELD DESCRIPTION
Walleye dominated probability for 2065-2089 future conditions.


Field BASS_2065_

FIELD DESCRIPTION
Bass dominated probability for 2065-2089 future conditions.

Hide Field BASS_2065_ ▲

Hide Details for object wae_bass_lake_des_spatial ▲

Hide Fields ▲

Metadata Details ►

**Metadata language**  English (UNITED STATES)
**Metadata character set**  utf8 - 8 bit UCS Transfer Format

**Scope of the data described by the metadata**  dataset
**Scope name**  dataset

**Last update**  2017-03-14

**ArcGIS metadata properties**
**Metadata format**  ArcGIS 1.0
**Standard or profile used to edit metadata**  FGDC

**Last modified in ArcGIS for the item**  2017-05-31  90:72:80

Hide Metadata Details ▲

Metadata Contacts ►

**Metadata contact**
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**Organization's name**  Great Lakes Indian Fish and Wildlife Commission
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**Contact's role**  custodian

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Hide Contact information ▲

Hide Metadata Contacts ▲

Thumbnail and Enclosures ►

**Thumbnail**
**Thumbnail type**  JPG

Hide Thumbnail and Enclosures ▲